

Product datasheet for **MC217786**

Adat1 (BC019976) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adat1 (BC019976) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adat1
Synonyms:	mADAT1, MMADAT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC019976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACCGCGGATGAGATCGCTCAGCTGTGCTATGCACACTATAACGTCAGACTGCCCAAGCAGGGGA
 AGCCTGAGCCAAATCGTGAGTGGACCTTGCTGGCAGCTGTGGTGAAGATTCAGGCTTCAGCTAACCAAGC
 TTGTGACATCCCTGAGAAGGAAGTGCAAGTGACAAAGGAAGTTGTCTCAATGGGAACAGGAACAAAATGC
 ATAGGCCAGTCCAAGATGCGAGAGAGCGGGGACATCCTCAATGACAGCCATGCTGAGATCATAGCCAGAA
 GGAGTTTCCAGAGATACCTTCTCCATCAGCTCCATTTGGCAGCCGCTCTGAAAGAGGATAGCATCTTTGT
 TCCAGGGACCCAAAGAGGACTGTGGAGGCTCAGACCTGACCTGTCGTTTGTGTTTTCTCTAGCCACACA
 CCCTGTGGGGATGCCTCCATCATCCGATGCTCGAGTTTGAAGAACAGCCTTGCTGTCCTGTCATCAGAA
 GTTGGGCCAACAACTCACCTGTACAAGAGACTGAGAATCTAGAGGATTCTAAAGATAAAAGGAAGTGTGA
 AGATCCCAGTCCGTGTAGCCAAGAAGATGAGGCTGGGAACACCTGCCAGGTCCTCAATTGTGTA
 GCTCACCATGGGACCCAGGAAAGTGGTCCAGTCAAACCAGATGTCAGCAGCTCTGATCTCACCAAGGAGG
 AACCCAGATGCTGCCAATGGAATAGCTTCAGGTAGCTTCAGAGTGGTGGATGTGTACAGGACGGGAGCCAA
 GTGTGTTCTGGAGAAACTGGAGACTTGAGAGAGCCAGGTGCTGCCTACCACCAGGTGGGGCTACTTCGT
 GTAAAACCTGGCAGGGGAGACAGGACATGCTCCATGTCCTGCAGTGACAAGATGGCAAGGTGGAATGTCC
 TCGGATGCCAGGGCGCACTGCTGATGCACCTTCTGGAGAAGCCTATCTACCTGTCAGCTGTGGTTCATCGG
 GAAGTGCCCGTACAGCCAGGAAGCCATGAGGAGAGCATTGACTGGCAGGTGTGAGGAAACCTTGGTTTTA
 CCCAGAGCCTTTGGAGTCAAGAACTGGAATACAGCAGTCCGGTTTTACTGTTTGAACAGAGCCGCTGTG
 CGGTGCACAGGAAAAGAGGTGACAGTCCAGGCCGACTCGTCCCTGTGGGGCAGCATCAGCTGGAGCGC
 TGTCCCTCAGCAGCCCTTGGATGTTACAGCCAATGGTTTTCCACAGGGAACAACAAAGAAAGAGATTGGA
 AGCCCTAGGGCCAGATCCCGAATCAGCAAGGTGGAAGTCTTTAGATCATTCCAGAAGCTGCTGAGCAGCA
 TTGCAGATGACGAGCAGCCAGACTCCATCAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC019976

Insert Size: 1365 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC019976](#), [AAH19976](#)
RefSeq Size: 2036 bp
RefSeq ORF: 1364 bp
Locus ID: 30947
Cytogenetics: 8 E1
Gene Summary: Specifically deaminates adenosine-37 to inosine in tRNA-Ala.[UniProtKB/Swiss-Prot Function]